

## Special Issue

# Advances in Wide Bandgap Semiconductor for Power Device Applications

### Message from the Guest Editor

Wide-bandgap semiconductors are considered as materials for the next generation of power devices. SiC-based switches and diodes are commercially available and have led to a significant improvement of power efficiency. Gallium nitride is another promising wide-bandgap semiconductor that can be used for high-frequency and high-power amplifier applications.

Although the bulk properties of SiC and GaN substrates are much better than those of Si substrates, the current SiC and GaN power devices are not utilizing their full potential because of performance limitations originated from interface and gate stacks. This Special Issue hopes to provide a timely overview of the recent progress on wide-bandgap semiconductors and to highlight any remaining issues that need to be addressed in the future.

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### Guest Editor

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### Deadline for manuscript submissions

closed (15 August 2021)



# Electronics

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*Electronics* is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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